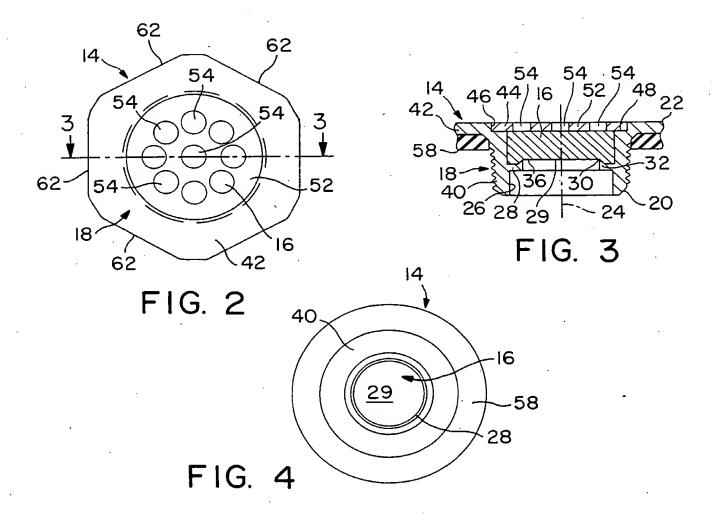


FIG. I



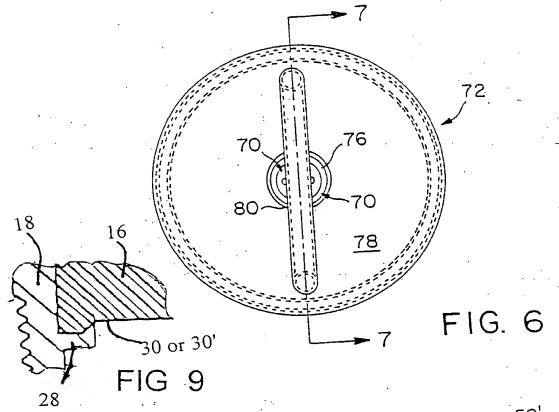


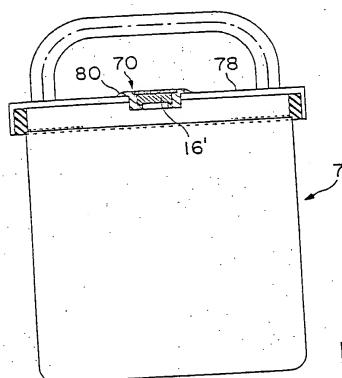
	Concen- tration, % by weight	Test Temperature	Average Corrosion Rate per year, mils**			
Media		°F (°C)	C-22® alloy	C-276 alloy	C-4 alloy	625 alloy
Acetic Acid	99	Boiling	Nil	<1	Nil	<1
Ferric Chloride	10	Boiling	1	2	140	7325
Formic Acid	88	Boilng	<1	1	2	9
Hydrochloric Acid	1	Boiling	3	13	25	1
	1.5	Boiling	14	32	64	353
	2	194 (90)	Nil	1	31	Nil
	2	Boiling	61	51	82	557
	2.5	194 (90)	<1	12	34	72
	2.5	Boiling .	141	85	44	605
	10	Boiling	400	288	228	642
Hydrochloric Acid	1	200 (93)	2	41	_	238
+42 g/l Fe2(SO4)3	5	150 (66)	2	5	3	. 2
Hydrochloric Acid +2% HF	5	158 (70)	59	26	34	123
Hydrofluoric Acid	2	158 (70)	9	9	17	20
	5	158 (70)	14	10	15	16
P2O5 (Commercial Grade)	38	185 (85)	2	9	_	1
	44	240 (116)	21	100	_	23
	52	240 (116)	11	33	_	12
P ₂ O ₅ + 2000 ppm Cl	38	185 (85)	. 1	12		2
P ₂ O ₅ + 0.5% HF	38	185 (85)	- 7	45	_	9
Nitric Acid	10	Boiling	<1	7	7	<1
	65	Boiling ·	134	888	217	21
Nitric Acid+ 6% HF	5	140 (60)	67	207	204	. 73
Nitric Acid+ 25% H2SO4+ 4% NaCl	5	Boiling	12	64	97	713
Nitric Acid+ 1% HCl	5	Boiling	<1	8	11	1
Nitric Acid+ 2.5% HCI	5	Boiling	2	21	26	<1
Nitric Add+ 15.8% HCI	8.8	126 (52)	4	33	114	>10,000

^{*}Average of 4-10 tests.

**To convert mils per year (mpy) to mm per year, divide by 40.







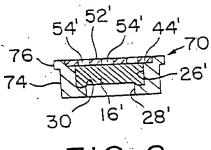


FIG. 8

FIG. 7